



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Spilker, Jr.  
Serial No. : 10/756,814  
Filed : 1/13/2004  
Title : Symbol Clock Recovery For The ATSC Digital Television Signal  
Attorney Docket No.: RSM051001

Art Unit : 2614

Examiner :

Conf. No. : 1515

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT**

Enclosed is a copy of the Official Filing Receipt for the above-referenced application.  
The Receipt contains the following error(s):

The Receipt does not list the last two domestic priority data applications included in the February 18, 2004 Preliminary Amendment or on page 1 of the January 13, 2004 application submission. In the Official Filing Receipt under "Domestic Priority data as claimed by applicant," please add the following two lines to the end of the list:

and claims benefit of 60/309,267 7/31/01

and claims benefit of 60/344,988 12/20/01

Please supply a Corrected Official Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink is attached for your convenience, as well as a copy of the Preliminary Amendment and page 1 of the application.

Respectfully submitted,

Date: 4/23/04

Richard A. Dunning, Jr.

Reg. No. 42,502

PTO Customer No. 29825



APR 26 2004

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

| APPL NO.   | FILING OR 371<br>(c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/756,814 | 01/13/2004                | 2614     | 0.00          | RSM051001       | 17       | 20       | 4        |

29825  
 LAW OFFICE OF RICHARD A. DUNNING, JR.  
 343 SOQUEL AVENUE  
 SUITE 311  
 SANTA CRUZ, CA 95062

**RECEIVED**

APR 22 2004

CONFIRMATION NO. 1515

## FILING RECEIPT



\*OC0000001237878\*

Date Mailed: 04/16/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

James J. Spilker JR., Residence Not Provided;

## Domestic Priority data as claimed by applicant

This appln claims benefit of 60/439,672 01/13/2003  
 and is a CIP of 10/210,847 07/31/2002 ✓  
 which is a CON of 09/887,158 06/21/2001 ABN ✓  
 which claims benefit of 60/265,675 02/02/2001 ✓  
 and claims benefit of 60/281,270 04/03/2001 ✓  
 and claims benefit of 60/281,269 04/03/2001 ✓  
 and claims benefit of 60/293,812 05/25/2001 ✓  
 and claims benefit of 60/293,813 05/25/2001 ✓  
 and claims benefit of 60/293,646 05/25/2001 ✓

and claims benefit of 60/309,267 7/31/01  
 " " " 60/344,988 12/20/01

## Foreign Applications

If Required, Foreign Filing License Granted: 04/15/2004

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**Title**

Symbol clock recovery for the ATSC digital television signal ✓

**Preliminary Class**

348

---

**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

# SYMBOL CLOCK RECOVERY FOR THE ATSC DIGITAL TELEVISION SIGNAL



Inventor: **James J. Spilker, Jr.**

## CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation-in-part of U.S. Non-provisional Patent Application Serial No. 10/210,847, "Position Location Using Broadcast Digital Television Signals," by Matthew Rabinowitz and James J. Spilker, filed July 31, 2002, which is a continuation of U.S. Non-provisional Patent Application Serial No. 09/887,158, "Position Location using Broadcast Digital Television Signals," by Matthew Rabinowitz and James J. Spilker, filed June 21, 2001, which claims the benefit of U.S. Provisional Patent Applications Serial No. 60/265,675, "System and Method for Navigation and/or Data Communication Using Satellite and/or Terrestrial Infrastructure," by Matthew Rabinowitz and James J. Spilker, filed February 2, 2001; Serial No. 60/281,270, "Use of the ETSI DVB Terrestrial Digital TV Broadcast Signals For High Accuracy Position Location in Mobile Radio Links," by James J. Spilker, filed April 3, 2001; Serial No. 60/281,269, "An ATSC Standard DTV Channel For Low Data Rate Broadcast to Mobile Receivers," by James J. Spilker and Matthew Rabinowitz, filed April 3, 2001; Serial No. 60/293,812, "DTV Monitor System Unit (MSU)," by James J. Spilker and Matthew Rabinowitz, filed May 25, 2001; Serial No. 60/293,813, "DTV Position Location Range And SNR Performance," by James J. Spilker and Matthew Rabinowitz, filed May 25, 2001; Serial No. 60/293,646, "Time-Gated Noncoherent Delay Lock Loop Tracking Of DTV Signals," by James J. Spilker and Matthew Rabinowitz, filed May 25, 2001; Serial No. 60/309,267, "Methodology and System for Tracking the Digital Television Signal with Application to Positioning Wireless Devices," by James Omura, James J. Spilker Jr., and Matthew Rabinowitz, filed July 31, 2001; and Serial No. 60/344,988, "Advanced Position Location Technique using Television Transmissions from Synchronized Transmitters," by James J. Spilker Jr., filed December 20, 2001.

[0001] The subject matter of all of the foregoing are incorporated herein by reference.